

Title (en)

MOUNTING SYSTEM FOR PERFORMING AN INSTALLATION OPERATION IN A LIFT SHAFT OF A LIFT SYSTEM

Title (de)

MONTAGESYSTEM ZUR DURCHFÜHRUNG EINES INSTALLATIONSVORGANGS IN EINEM AUFZUGSCHACHT EINER AUFZUGANLAGE

Title (fr)

SYSTÈME DE MONTAGE POUR RÉALISER UN PROCESSUS D'INSTALLATION DANS UNE CAGE D'ASCENSEUR D'UNE INSTALLATION D'ASCENSEUR

Publication

EP 3592684 A1 20200115 (DE)

Application

EP 18711494 A 20180302

Priority

- EP 17159435 A 20170306
- EP 2018055189 W 20180302

Abstract (en)

[origin: WO2018162350A1] The invention relates to a mounting system for performing an installation operation in a lift shaft of a lift system. The mounting system (1) has a mounting device (5) with a carrier component (3) and with a mechatronic installation component, and further has a displacement component (15) arranged above the mounting device (5) in the lift shaft (103) and has a supporting means (17) attached at least indirectly to the carrier component (3). The displacement component (15) can displace the carrier component (3) and thus the mounting device (5) in the lift shaft (103) by means of the supporting means (17), wherein the carrier component (3) can be supported by means of an upper support roller (21) on a supporting wall (108) of the lift shaft (103) at least during a displacement in the lift shaft (103). According to the invention, the supporting means (17) of the mounting system (1) has a diagonal pull α with respect to the perpendicular in the direction of the supporting wall (108) of the lift shaft (103). The mounting system (1) also has a compensating element (24) that is designed and arranged such that it counteracts a tilting of the carrier component (3) about the upper supporting roller (21) in the direction of the supporting wall (108) during a displacement of the carrier component (3) in the lift shaft (103).

IPC 8 full level

B66B 19/00 (2006.01)

CPC (source: EP US)

B66B 19/00 (2013.01 - EP US)

Citation (search report)

See references of WO 2018162350A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2018162350 A1 20180913; AU 2018231367 A1 20190822; AU 2018231367 B2 20210318; BR 112019016943 A2 20200414; CN 110382395 A 20191025; CN 110382395 B 20220111; EP 3592684 A1 20200115; EP 3592684 B1 20210505; PL 3592684 T3 20210823; SG 11201906935T A 20190927; US 11572256 B2 20230207; US 2021130136 A1 20210506

DOCDB simple family (application)

EP 2018055189 W 20180302; AU 2018231367 A 20180302; BR 112019016943 A 20180302; CN 201880016656 A 20180302; EP 18711494 A 20180302; PL 18711494 T 20180302; SG 11201906935T A 20180302; US 201816481123 A 20180302